

FIG. 1A

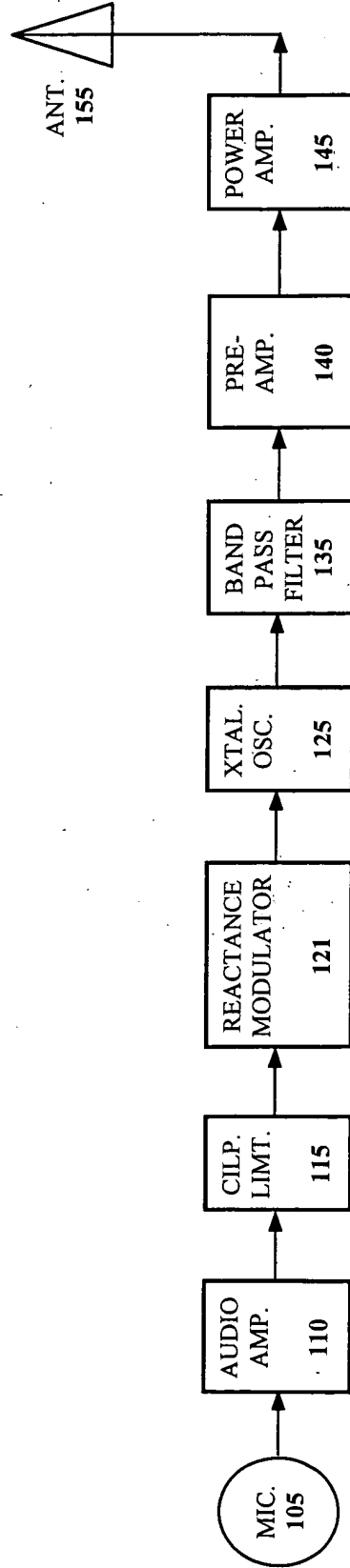


FIG. 1B

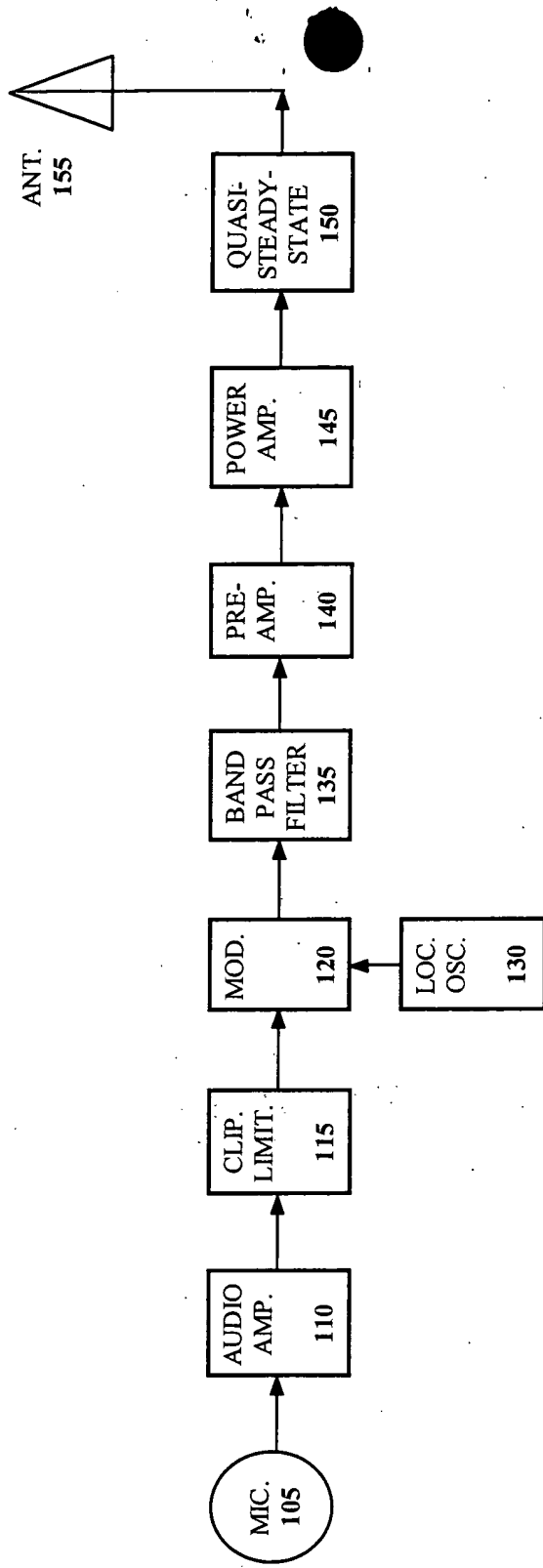


FIG. 2

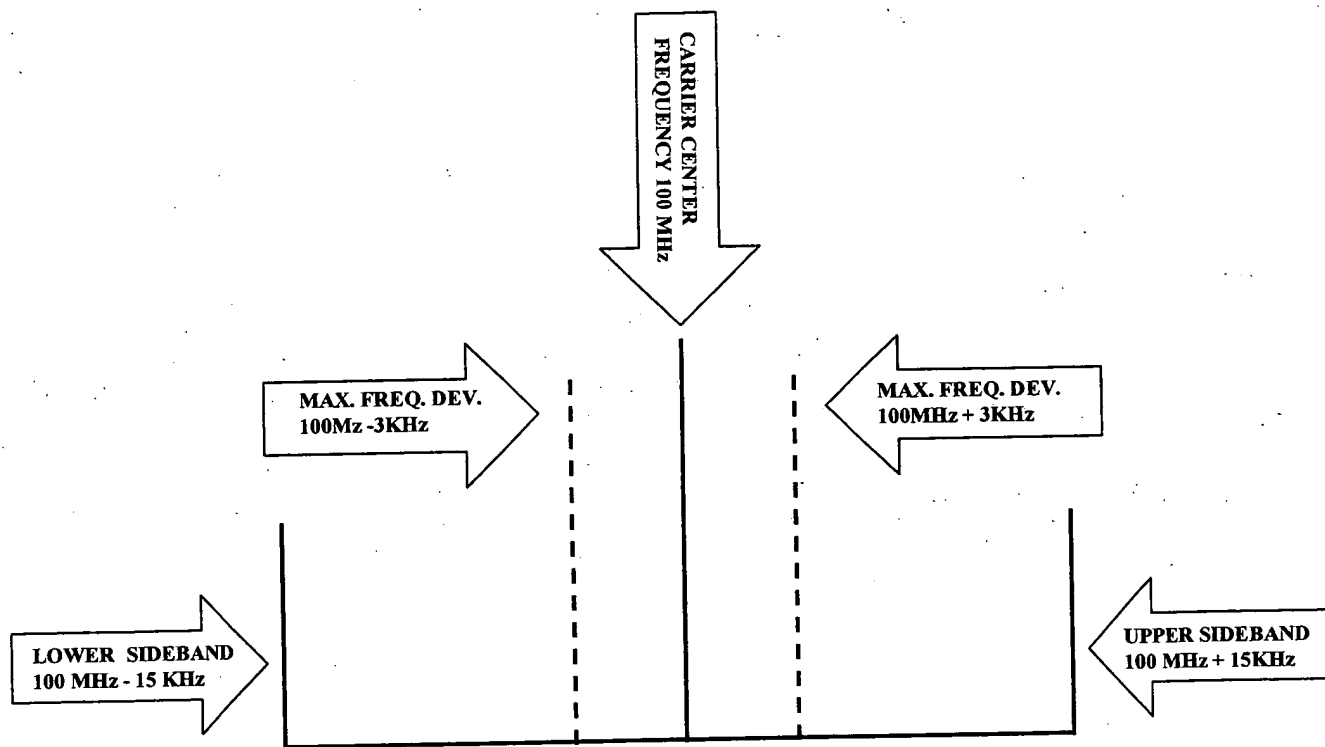


FIGURE No. 3 A  
CARRIER FREQUENCY 100 MHz. MODULATING  
FREQUENCY 15 KHz MODULATION INDEX 0.2

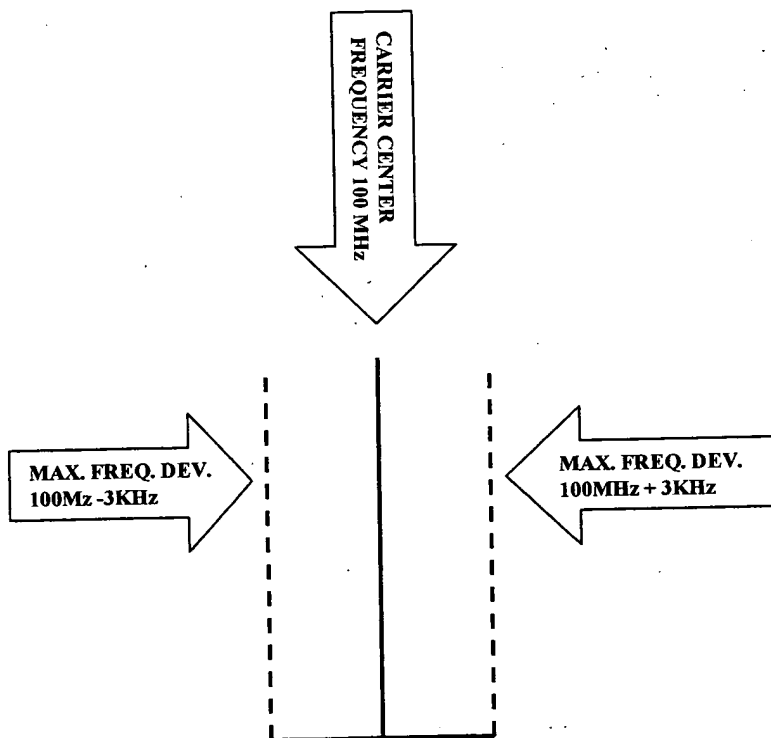


FIGURE No. 3 B SUPPRESSED SIDEBANDS  
CARRIER FREQUENCY 100 MHz. MODULATING  
FREQUENCY 15 KHz MODULATION INDEX 0.2

10047993.000404

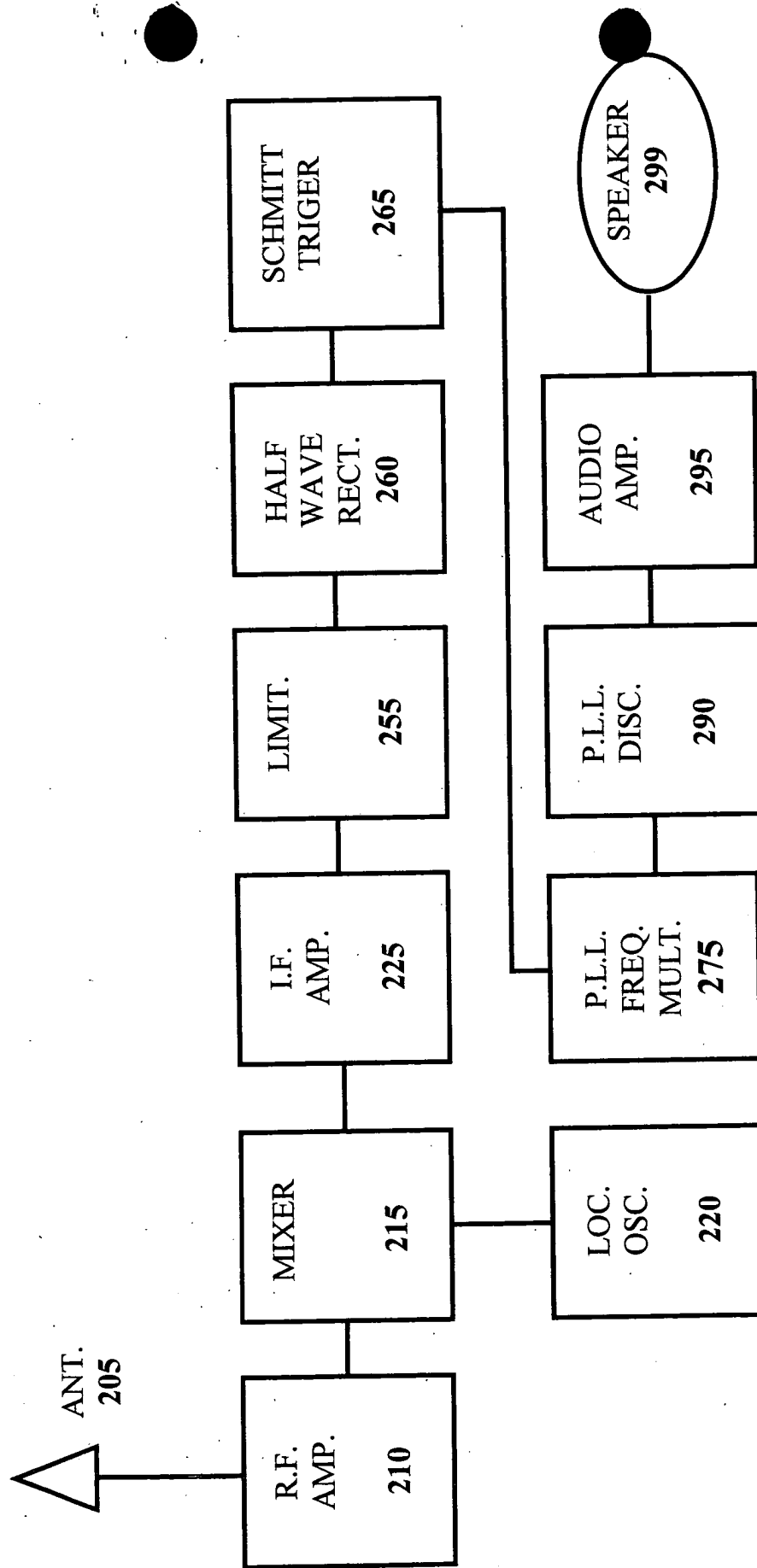


FIG. 4

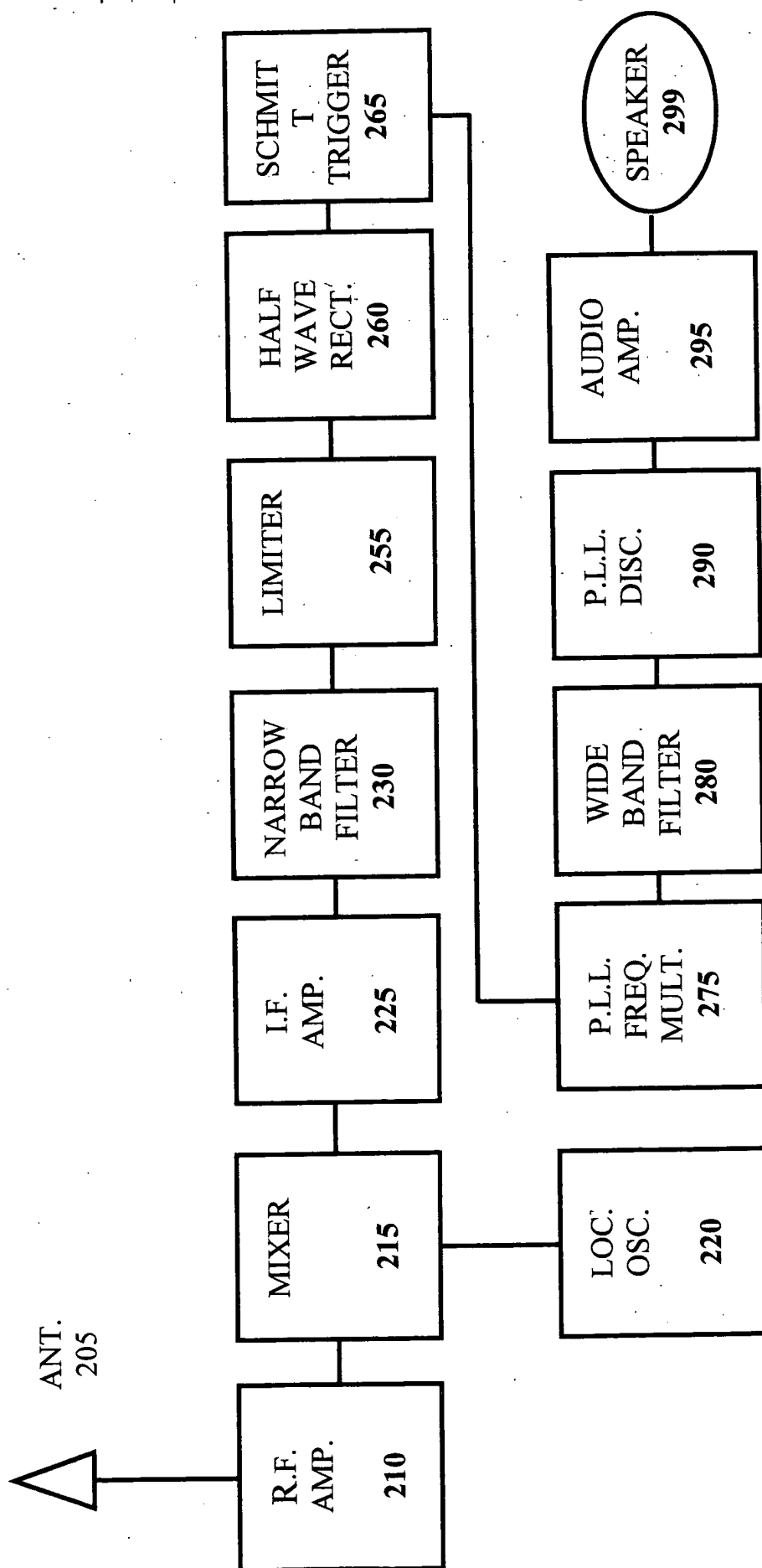


FIG. 5

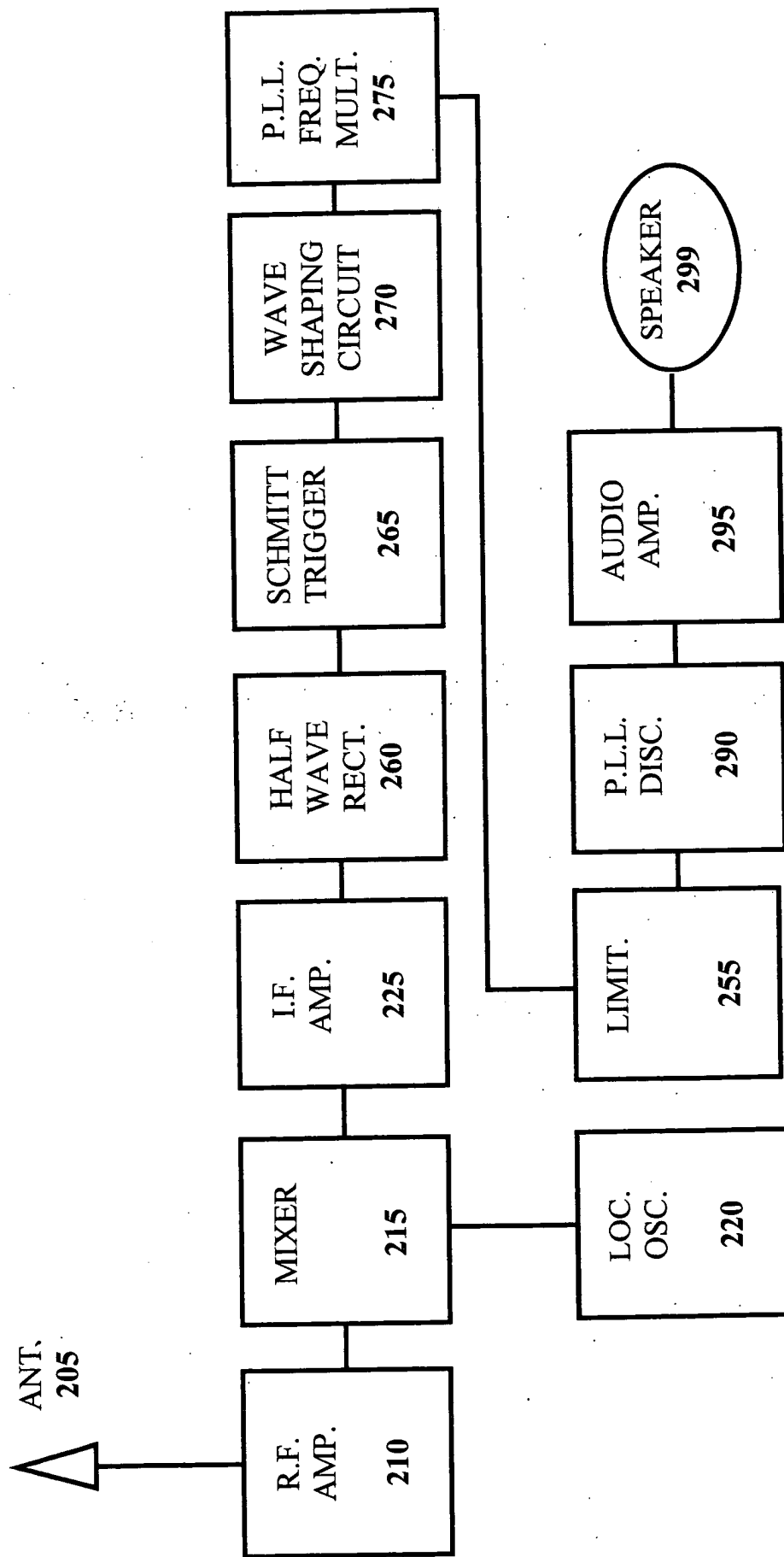


FIG. 6

ANT.  
205

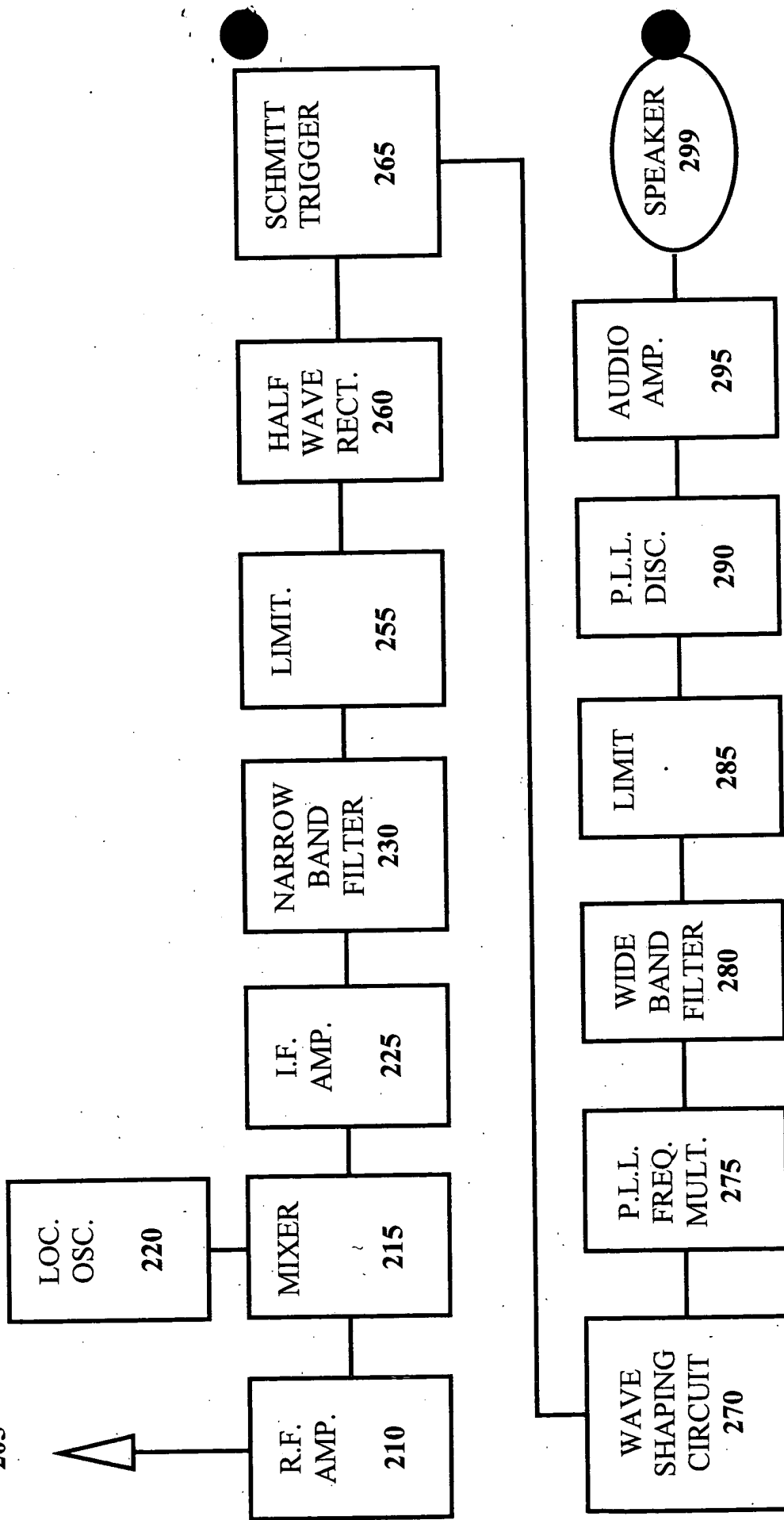


FIG. 7

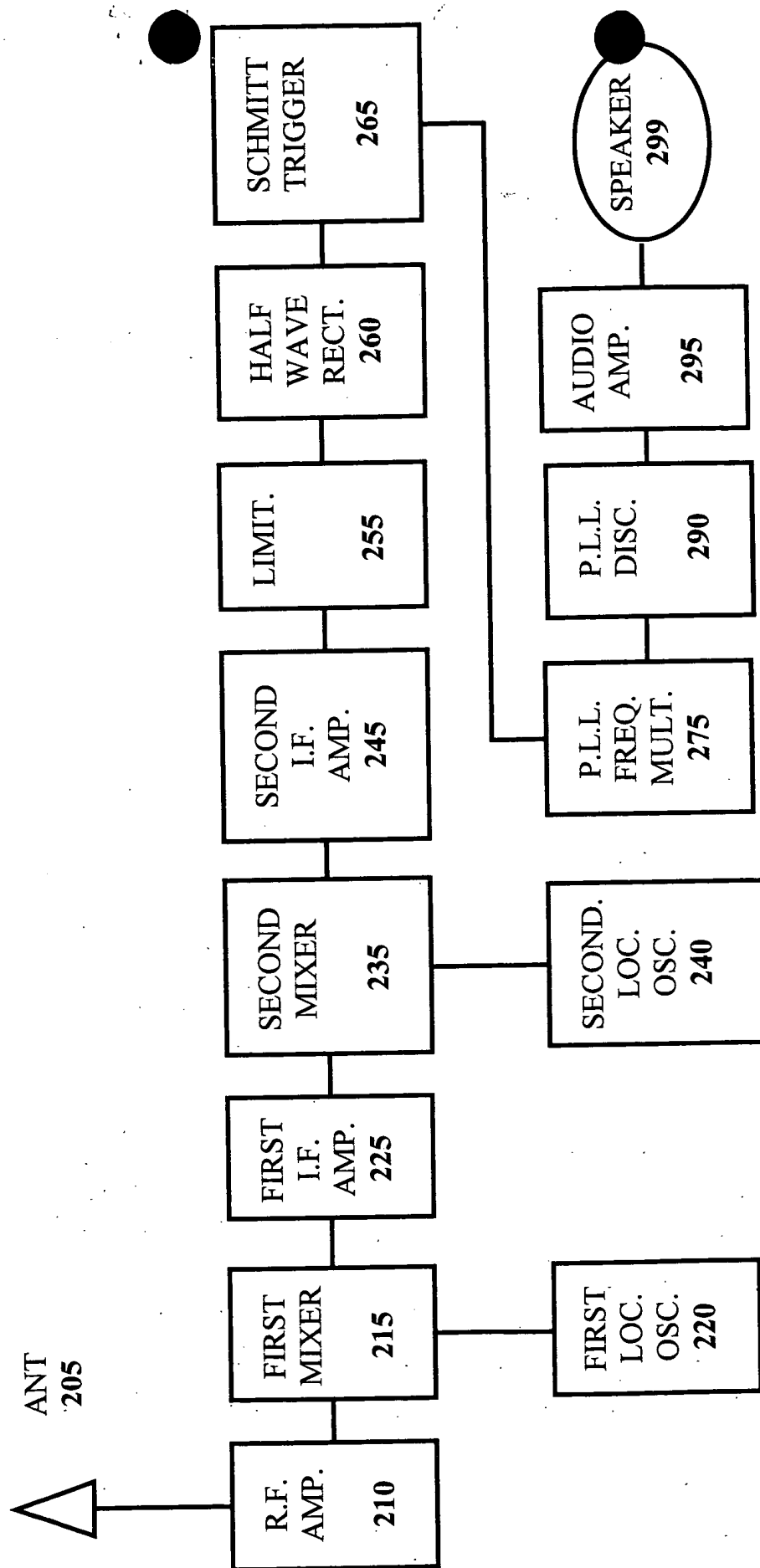


FIG. 8



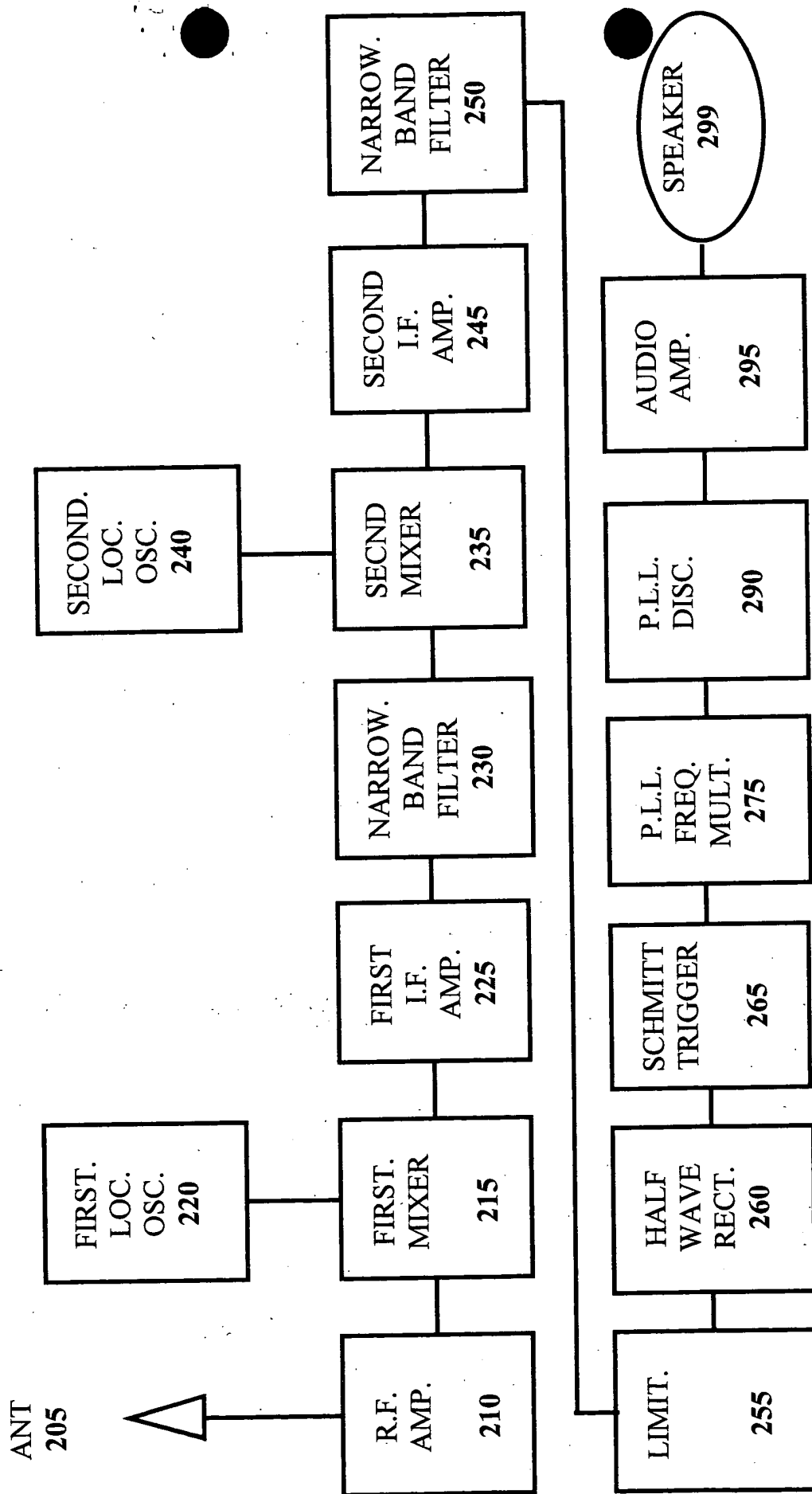


FIG. 9

```

graph LR
    Input[INPUT 455 KHz] --> PD[PHASE DISC. 1]
    PD --> PLL[P.L.L. OSC. 2]
    PD --> Div[DIVIDER ÷ 20 3]
    Div --> LO[LOCAL OSC. 5]
    LO --> Mix[MIXER 4]
    LO --> LPF[LOW PASS FILTER 6]
    PLL --> Mix
    Mix --> LPF
    LPF --> Output[OUTPUT No. 1 9.1 MHz]
  
```

1ST. IF FREQ. IN	MOD. INDEX	MULT. FACTOR	2ND. IF FREQ. OUT	MOD. INDEX
455 KHz	0.2	20	9.1 MHz	4

**FIG. 10 A**

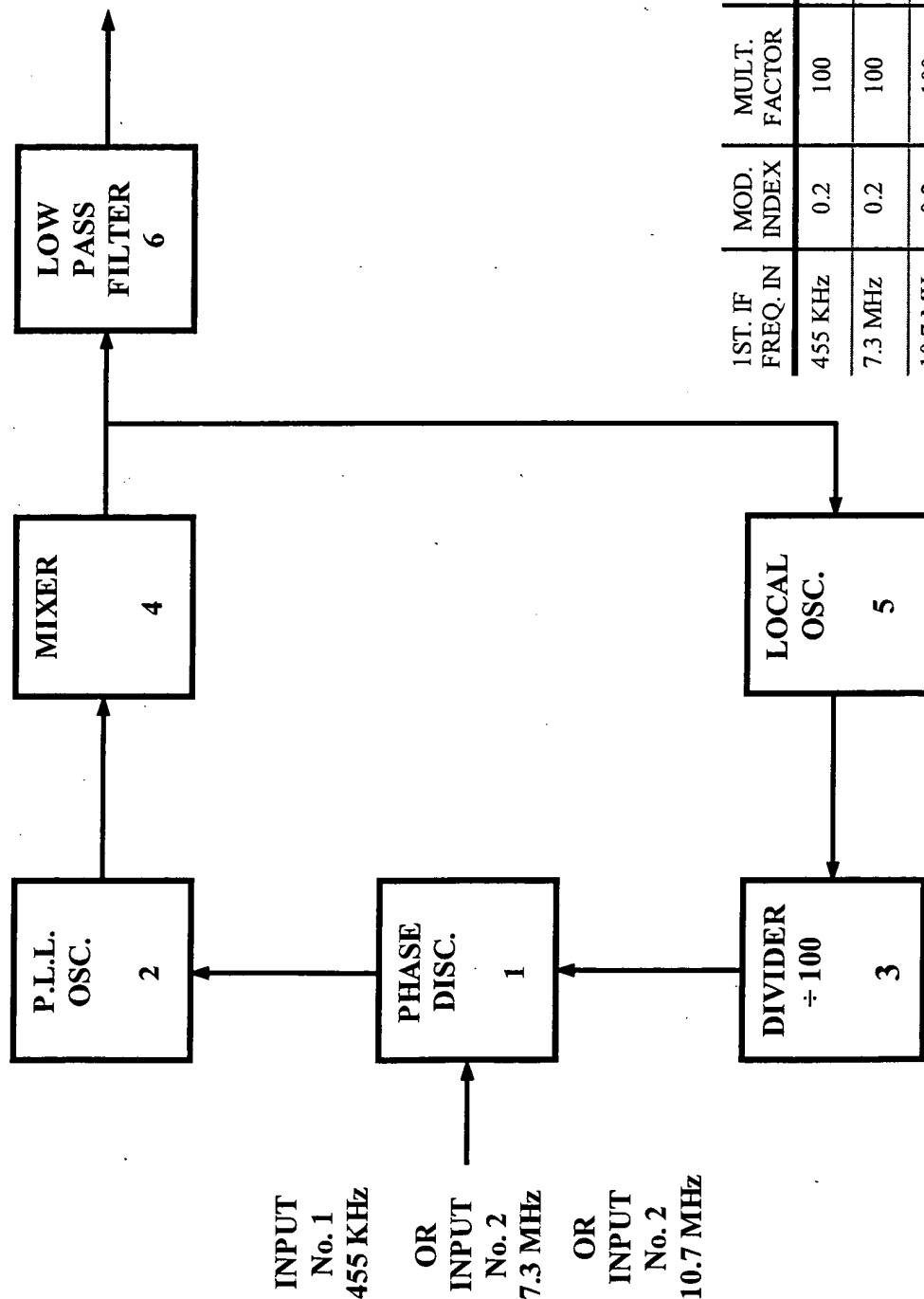
OUTPUT  
No. 1  
45.5 MHz

OR

OUTPUT  
No. 2  
730 MHz

OR

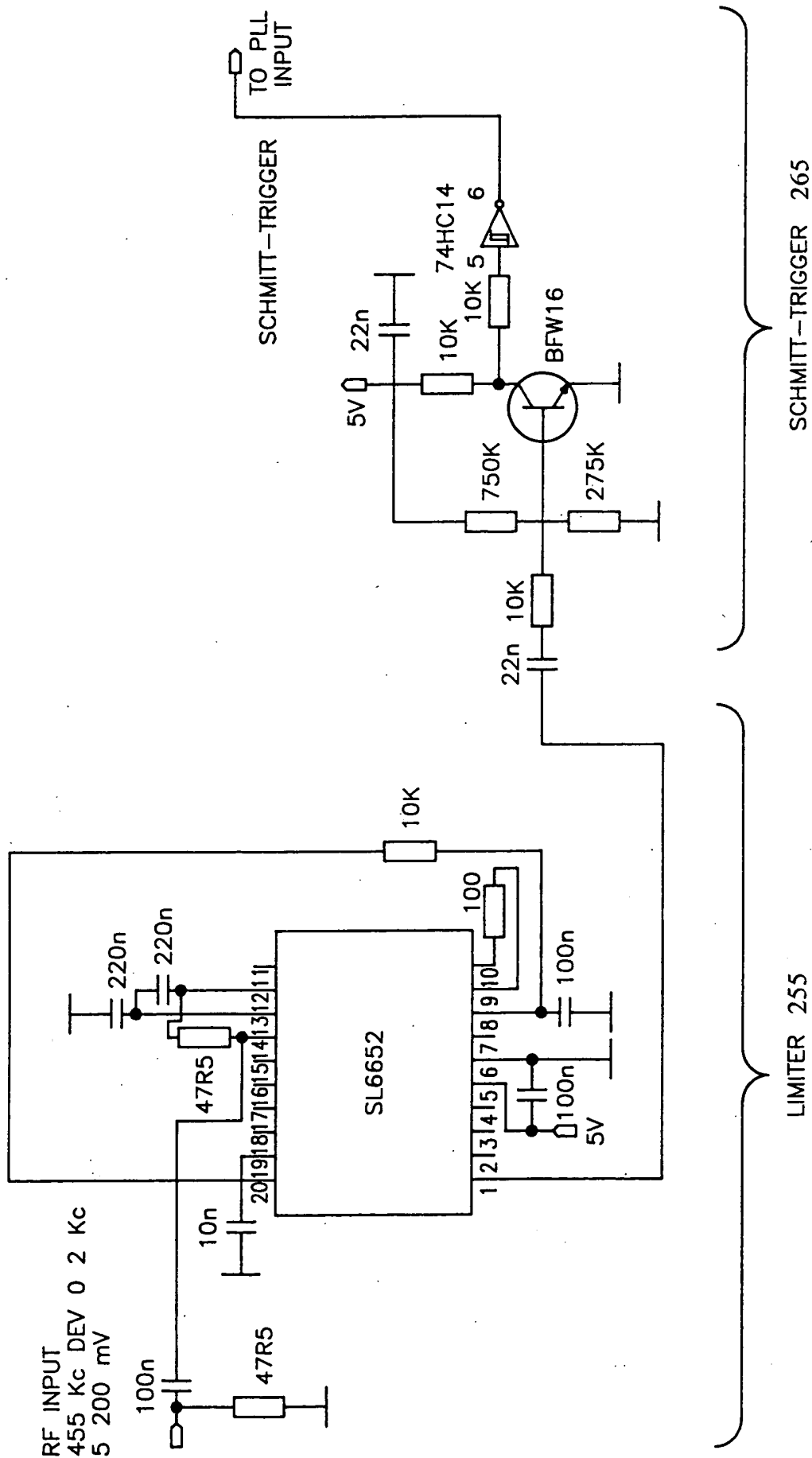
OUTPUT  
No. 3  
1070 MHz



1ST. IF FREQ. IN	MOD. INDEX	MULT. FACTOR	2ND. IF FREQ. OUT	MOD. INDEX
455 KHz	0.2	100	45.5 MHz	20
7.3 MHz	0.2	100	730 MHz	20
10.7 MHz	0.2	100	1070 MHz	20

FIG. 10 B

FIG. 11



# FIG. 12A

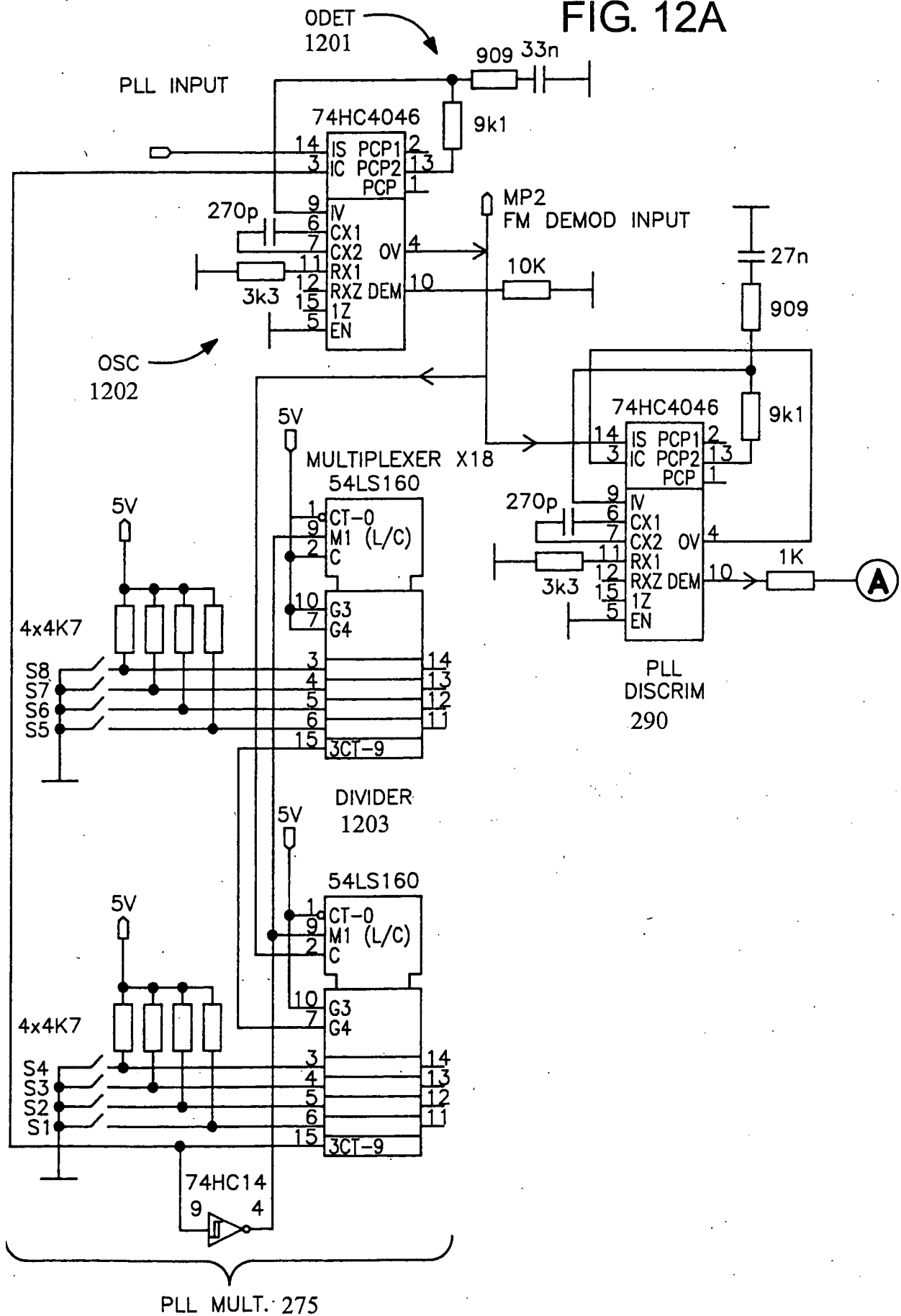


FIG. 12A

FIG. 12B

